

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A head for equipping a robot arm, intended to perform a deflashing or roughing operation,
and which comprises :

- a fixing plate for fixing to the robot arm,
- a shaft mounted on the plate parallel thereto,
- a support for a deflashing or roughing tool mounted to pivot about the shaft and in the continuation of the region of fixing of the plate to the robot arm,
- an actuator mounted coaxial with the shaft, connected to one end of a link rod the other end of which is connected to the tool support so as to adjust the orientation of this tool, and
- tool drive means.

2. (Original) The head as claimed in claim 1, wherein the actuator for driving the link rod is a rotary actuator.

3. (Currently Amended) The head as claimed in ~~one of claims 1 and 2~~, wherein the link rod for adjusting the orientation of the tool acts on the tool support via a compensation actuator.

4. (Currently Amended) The head as claimed in ~~one of claims 1 to 3~~, wherein, in the case of a deflashing head, this head comprises an electric motor positioned along the axis of the shaft, at the opposite end to the actuator for adjusting the position of the tool support, the output shaft of the motor being equipped with an eccentric acting on a link rod for driving the moving blade of a pair of deflashing shears.

5. (Currently Amended) The head as claimed in ~~one of claims 1 to 3~~, wherein, in the case of a roughing head, this head comprises an electric motor secured to the support of axis perpendicular to the shaft, on which the support is mounted to pivot, and onto the output shaft of which a roughing wheel is keyed.

6. (New) The head as claimed in claim 2, wherein the link rod for adjusting the orientation of the tool acts on the tool support via a compensation actuator.

7. (New) The head as claimed in claim 2, wherein, in the case of a deflashing head, this head comprises an electric motor positioned along the axis of the shaft, at the opposite end to the actuator for adjusting the position of the tool support, the output shaft of the motor being equipped with an eccentric acting on a link rod for driving the moving blade of a pair of deflashing shears.

8. (New) The head as claimed in claim 3, wherein, in the case of a deflashing head, this head comprises an electric motor positioned along the axis of the shaft, at the opposite end to the actuator for adjusting the position of the tool support, the output shaft of the motor being equipped with an eccentric acting on a link rod for driving the moving blade of a pair of deflashing shears.

9. (New) The head as claimed in claim 2, wherein, in the case of a roughing head, this head comprises an electric motor secured to the support of axis perpendicular to the shaft, on which the support is mounted to pivot, and onto the output shaft of which a roughing wheel is keyed.

10. (New) The head as claimed in claim 3, wherein, in the case of a roughing head, this head comprises an electric motor secured to the support of axis perpendicular to the shaft, on which the support is mounted to pivot, and onto the output shaft of which a roughing wheel is keyed.